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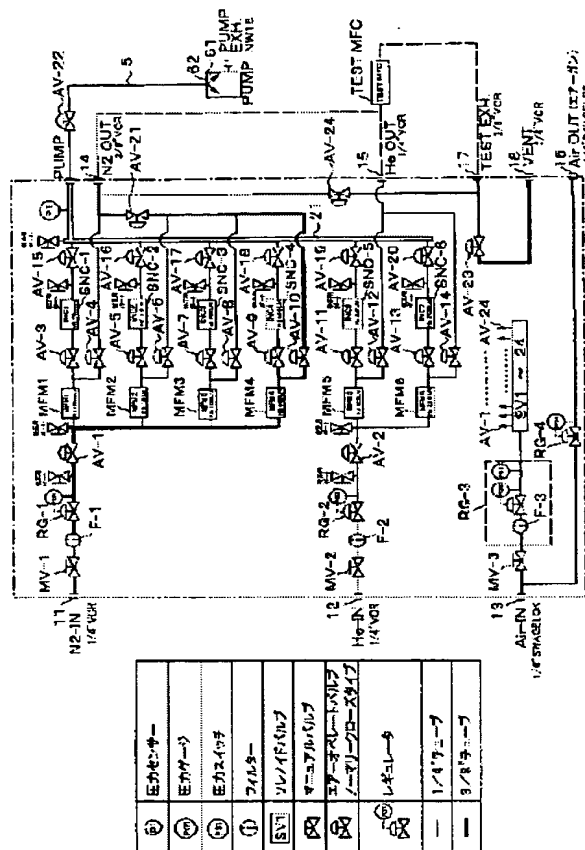
APPLICATION DATE : 05-09-00
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TITLE : FLOWMETER CALIBRATOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a flowmeter calibrator enabling a measurement that is traceable to the national standard through a thermal mass flowmeter used as a practical measurement standard and provides high accuracy in measurement without being affected by such variation factors as variation with time, ambient temperature change, working pressure dependence, etc., of the above thermal mass flowmeter.

SOLUTION: This thermal mass flowmeter calibrator 1 is provided with standard thermal mass flowmeters Std. MFM 1-6 and sonic speed nozzle-based mass flowmeters SNC 1-6, respectively series-connected. Each standard thermal mass flowmeter is calibrated periodically or as required by the sonic speed nozzle-based mass flowmeters traceable to national standard. Based on these calibrated values of standard thermal mass flowmeter, measurement/calibration of the mass flowmeters to be tested will be conducted. Thus measurement/ calibration of high accuracy are always ensured.

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